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TI Preparation of lactams

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SO Jpn. Kokai Tokkyo Koho, 6 pp.

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AB Lactams, useful as solvents (no data) and materials for polyamides, are prepd. by treating formylcarboxylic acids and/or their esters with NH₃ and/or primary amines in presence of tertiary amines and subsequent hydrogenation. A soln. of Bu .beta.-formylpropionate and Et₃N in MeOH was treated dropwise with aq. MeNH₂ and the reaction mixt. was mixed with Ru/C and autoclaved under 50 kg/cm²-gage H at 50.degree. for 1.0 h to give 63% N-methyl-2-pyrrolidone.

IC ICM C07D207-263

DT Patent

LA Japanese